List of Current Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1 - 7 (Cancelled).

8. (New) A method for automatic adjustment of a bus-capable field device of process automation technology to the fieldbus protocol utilized on a fieldbus, with multiple fieldbus stack programs stored in the field device, which programs serve to extract wanted data from telegrams of various fieldbus systems, comprising the steps of:

receiving telegrams sent via the fieldbus;

transferring the telegrams to the fieldbus stack programs;

processing the telegrams in the fieldbus stack programs; and

selecting a fieldbus stack program for further data exchange with the fieldbus, which program has extracted further processable, wanted data from at least one telegram.

9. (New) The method as claimed in claim 8, wherein:

the received telegrams are transferred successively to the various fieldbus stack programs.

10. (New) The method as claimed in claim 8, wherein:

a telegram is transferred to various fieldbus stack programs.

11. (New) The method as claimed in claim 8, wherein:

at least two fieldbus stack programs are stored in the field device.

12. (New) The method as claimed in claim 11, wherein:

a fieldbus stack program is a Profibus PA stack or a Foundation Fieldbus stack.

13. (New) The method as claimed in claim 8, wherein:
the field device is a temperature sensor.

14. (New) A field device having multiple fieldbus stack programs stored therein, which programs serve to extract wanted data from telegrams of various fieldbus systems, for execution of a method comprising the steps of:
receiving telegrams sent via the fieldbus;
transferring the telegrams to the fieldbus stack programs;
processing the telegrams in the fieldbus stack programs; and
selecting a fieldbus stack program for further data exchange with the fieldbus, which program has extracted further processable, wanted data from at least one telegram.